

Unix: Advanced Administration

Hands-on course of 3 days - 21h

Ref.: UXO - Price 2024: CHF2 030 (excl. taxes)

THE PROGRAMME

last updated: 01/2018

1) Performance

- Performance : analysis, resolution method.
- Managing system activity.
- Monitoring system load.
- Managing CPU load : single and multi processor analysis.
- Managing memory pressure : paging, memory, swap.
- Managing disk activity : bottlenecks, RAID solutions.
- Managing network : collision detection, bandwidth management.
- Managing application tuning : examples with a web server, Oracle.

2) System Configuration

- Checking kernel parameters.
- Accounting setup.
- C2 security setup.
- Using ssh and sudo to improve system security.

3) Advanced Network Administration

- TCP/IP setup.
- Netmasks setup.
- Managing DNS/BIND setup.
- Managing DHCP.
- Routing setup.
- Using a firewall : ipfilter.
- Using syslog. Managing syslogd.

4) High Availability Services and Unix Deployment

- Features of a HA Cluster.
- Deploying a HA Cluster.
- Managing HA NFS.
- Managing HA Apache.
- How to deploy a Unix/Linux Solution through the network.

DATES

REMOTE CLASS

2024 : 16 Sep, 27 Nov

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@ORSYS.fr to review your request and its feasibility.